

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-23. (Cancelled)

24. (Original) A method of operating a microfluidic system, comprising:  
determining a position of a cursor on a display;  
receiving a first user selection;  
identifying at least one of a position and a number of fluid bodies based on the position of the cursor in response to receiving the first user selection; and  
producing at least one instruction for driving at least one of a number of drive electrodes and a number of ground electrodes based on the identification.

25. (Original) The method of claim 24, further comprising:  
storing the at least one instruction for later execution.

26. (Currently Amended) The method of claim 24, further comprising:  
executing the at ~~last~~least one instruction.

27. (Currently Amended) The method of claim 24, further comprising:  
immediately executing the at ~~last~~least one instruction.

28. (Currently Amended) The method of claim 24, further comprising:  
immediately executing the at ~~last~~least one instruction; and  
storing the at least one instruction for later execution.

29. (Original) The method of claim 24 wherein identifying at least one of a position and a number of fluid bodies based on the position of the cursor in response to receiving the user selection includes identifying at least one of a starting position, ending position and an intermediate position.

30. (Original) The method of claim 24, further comprising:  
receiving a second user selection;  
identifying at least one operation to perform on the number of fluid bodies in response to receiving the second user selection; and  
producing at least one instruction for driving at least one of a number of drive electrodes and a number of ground electrodes based on the at least one identified operation.